



# MATERIAL SAFETY DATA SHEET

## POWDER COATINGS

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**WWW.RJSTOKES.CO.UK MANUFACTURERS OF INDUSTRIAL, DECORATIVE & POWDER COATINGS Est 1899**

**Little London Road | Sheffield | S8 0UH | Tel: 0114 258 9595 | Fax: 0114 250 9836 | Email: sales@rjstokes.co.uk**

<p><b>1. IDENTIFICATION OF PREPARATION</b></p> <p>POWDER COATINGS</p> <p>COMPANY/UNDERTAKING IDENTIFICATION</p>	<p>Stokes Polyester (Lead and TGIC Free), Epoxy and Epoxy Polyester Powder Coatings.</p> <p>R J Stokes &amp; Company Limited Little London Road Sheffield S8 0UH Great Britain</p> <p style="text-align: right;">Telephone 44 (0)114 258 9595 Fax 44 (0)114 250 9836 Emergency Telephone 44 (0)114 258 9595 E Mail sales@rjstokes.co.uk</p>															
<p><b>2. COMPOSITION / INFORMATION ON INGREDIENTS</b></p> <p>HAZARDOUS COMPONENTS</p>	<p>Substances presenting a health or environmental hazard within the meaning of the CHIP Regulations or which are assigned occupational Exposure Limit Values. See Section 16 for full text of all R-Phrases. See Section 8 for Occupational Exposure Limits.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Name</th> <th style="width: 5%;">%</th> <th style="width: 10%;">CAS</th> <th style="width: 15%;">EINECS</th> <th style="width: 20%;">SUPPLY CLASS</th> </tr> </thead> <tbody> <tr> <td>Total Inhalable Dust</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Respirable Dust</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Name	%	CAS	EINECS	SUPPLY CLASS	Total Inhalable Dust					Respirable Dust				
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<p><b>3. HAZARDS IDENTIFICATION</b></p>	<p>Do not breathe dust. Use only in well ventilated areas.</p>															
<p><b>4. FIRST AID MEASURES</b></p> <p>GENERAL:</p> <p>INHALATION:</p> <p>EYE CONTACT:</p> <p>SKIN CONTACT:</p> <p>INGESTION:</p>	<p>In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.</p> <p>Remove to fresh air, keep patient warm and at rest. If breathing is irregular or has stopped, administer artificial respiration. Give nothing by mouth. If unconscious place in recovery position and seek medical advice.</p> <p>Remove contact lenses. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart and seek medical advice.</p> <p>Remove contaminated clothing. Wash skin thoroughly with soap and water or use a proprietary skin cleaner. Do NOT use solvents or thinners.</p> <p>If accidentally swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.</p>															
<p><b>5. FIRE FIGHTING MEASURES</b></p> <p>EXTINGUISHING MEDIA:</p> <p>RECOMMENDATIONS:</p>	<p>Recommended: Alcohol resistant foam, CO2 blanket, powder, water spray/mist. Not to be used: High pressure inert gas (e.g. CO2), Water jets.</p> <p>Fire will produce dense black smoke containing hazardous products of combustion (see Section 10). Exposure to decomposition products may be a hazard to health. Appropriate self-contained breathing apparatus may be required. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains or water courses.</p>															
<p><b>6. ACCIDENTAL RELEASE MEASURES</b></p>	<p>Exclude sources of ignition and ventilate the area. Exclude non-essential personnel. Avoid breathing dust. Refer to protective measures listed in Sections 7 &amp; 8. Contain and collect spillages with an electrically protected vacuum cleaner or by wet brushing and place in a closed container for disposal in accordance with the waste regulations (see Section 13). Do not use a dry brush as dust clouds or static can be created. Do not allow to enter drains or watercourses. If the product enters drains or sewers, immediately contact the local water company; in case of contamination of streams, rivers or lakes, the relevant environment agency.</p>															



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**7. STORAGE AND HANDLING**

**STORAGE:** Observe the label precautions. Store between 5°C and 25°C in a dry, well ventilated place away from sources of heat, ignition and direct sunlight.  
No Smoking. Prevent unauthorised access. Containers which are opened should be properly resealed and kept upright to prevent leakage.  
The principles contained in the HSE guidance note Storage of Packaged Dangerous Substances should be observed when storing this product.

**HANDLING AND USAGE:** PERSONS WITH A HISTORY OF RESPIRATORY PROBLEMS OR ALLERGIC RESPONSES SHOULD ONLY BE EXPOSED TO, OR HANDLE, THIS PRODUCT UNDER APPROPRIATE MEDICAL SUPERVISION.  
Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or Occupational Exposure Limit Values.  
Electrical equipment and lighting should be protected to appropriate standards and to prevent dust coming into contact with hot surfaces, sparks or other ignition surfaces.  
The product may charge electrostatically. Use earthing leads when transferring from one container to another. Operators should wear anti-static footwear and clothing and floors should be electrically conductive.  
Keep the container tightly closed. Exclude sources of heat, sparks and open flame. Avoid the inhalation of dusts.  
Smoking, eating and drinking should be prohibited in areas of storage and use.  
For Occupational Exposure Control Measures, see Section 8.  
Always keep in containers made of the same material as the supply container.  
Good housekeeping standards and regular safe removal of waste materials will minimise the risks of spontaneous combustion and other fire hazards.  
The Manual Handling Operations Regulations may apply to the handling of containers of this product.  
Refer to the guide weight indicated on the container when carrying out assessments.

**8. EXPOSURE CONTROLS / PERSONAL PROTECTION (NORMAL USE)**

**EXPOSURE CONTROLS:** PERSONS WITH A HISTORY OF RESPIRATORY PROBLEMS OR ALLERGIC RESPONSES SHOULD ONLY BE EXPOSED TO, OR HANDLE, THIS PRODUCT UNDER APPROPRIATE MEDICAL SUPERVISION.  
Avoid the inhalation of dusts. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of dusts below the relevant Occupational Exposure Limit Values, suitable respiratory protection must be worn (See Occupational Exposure Controls below).

**OCCUPATIONAL EXPOSURE CONTROLS:** All personal protective equipment, including respiratory protective equipment, used to control exposure to hazardous substances must be selected to meet the requirements of the COSHH Regulations.

**RESPIRATORY PROTECTION:** Air-fed respiratory protective equipment should be worn when this product is sprayed if the exposure of the sprayer or other people nearby cannot be controlled to below the Occupational Exposure Limit Values and engineering controls and methods cannot be reasonably improved.

**HAND PROTECTION:** When skin exposure may occur, advice should be sought from glove suppliers on appropriate types and usage times for this product. The instructions and information provided by the glove supplier on use, storage, maintenance and replacement must be followed. Barrier creams may help to protect exposed areas of skin, but are not substitutes for full physical protection. They should not be applied once exposure has occurred.

**EYE PROTECTION:** Eye protection designed to protect against exposure to dusts should be worn when there is a likelihood of exposure.

**SKIN PROTECTION:** Cotton or synthetic/cotton overalls or coveralls are normally suitable.  
Care should be taken in the selection of protective clothing to ensure that inflammation and irritation of the skin at the neck and wrists through contact with the powder is avoided.  
Regular skin inspection of users of this product is recommended.  
**ALWAYS WASH YOUR HANDS BEFORE EATING, SMOKING OR USING THE TOILET.**

**ENVIRONMENTAL EXPOSURE CONTROL:** See Section 12 for detailed information.

**OCCUPATIONAL EXPOSURE LIMITS**

Name	8 Hr OES	15 Mins OES	Type	Reference
Total Inhalable Dust	10 mg/m <sup>3</sup>		OEL	EH40
Respirable Dust	4 mg/m <sup>3</sup>		OEL	EH40

**9. PHYSICAL / CHEMICAL PROPERTIES**

**PHYSICAL STATE:** Fine Powder.

**MINIMUM EXPLOSIVE CONCENTRATION:** 20 - 70 mg/m<sup>3</sup>

**SOLUBILITY IN WATER:** Insoluble.

**MINIMUM IGNITION TEMPERATURE:** 400°C

**MINIMUM IGNITION ENERGY:** 5 - 20 mJ



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<b><u>10. STABILITY AND REACTIVITY</u></b>	<p>Stable under the recommended storage and handling conditions (see Section 7). In a fire, hazardous decomposition products such as smoke, carbon dioxide, and oxides of nitrogen may be produced.</p>
<b><u>11. TOXICOLOGICAL INFORMATION</u></b>	<p>There is no data on the product itself. The product has been assessed following the conventional method in CHIP and is classified for toxicological hazards accordingly. This takes into account, where known, delayed and immediate effects and also chronic effects of components from short-term and long-term exposure by oral, inhalation, and dermal routes of exposure and eye contact. See Sections 3 and 15 for details of the resulting hazard classification. Coating powders can cause localised skin irritation in folds of the skin or in contact with tight clothing.</p>
<b><u>12. ECOLOGICAL INFORMATION</u></b>	<p>There is no data on the product itself. The product has been assessed following the conventional method in CHIP and is not classified as dangerous for the environment. The product should not be allowed to enter drains or water courses or be deposited where it can effect ground or surface waters. LAPC/LAPPC/IPPC requirements of regulations made under the Environment Protection Act/Pollution Prevention and Control Act may apply to the use of this product.</p>
<b><u>13. DISPOSAL CONSIDERATIONS</u></b>	<p>Do not allow into drains or water courses or dispose of where ground or surface waters may be affected. Wastes, including emptied containers, are controlled wastes and should be disposed of in accordance with regulations made under The Control of Pollution Act and The Environment Protection Act. Using the information provided in this safety data sheet, advice should be obtained from the relevant environment agency whether the Special Waste Regulations apply.</p>
<b><u>14. TRANSPORT INFORMATION (REGULATIONS)</u></b>	<p>TRANSPORT IN THE USER'S PREMISES: ONWARD TRANSPORT AFTER PURCHASE:</p> <p>ALWAYS TRANSPORT IN CLOSED CONTAINERS THAT ARE UPRIGHT AND SECURE. Ensure that persons transporting the product know what to do in the event of an accident or spillage.</p> <p>ALWAYS TRANSPORT IN CLOSED CONTAINERS THAT ARE UPRIGHT AND SECURE. The product is not classified as dangerous for carriage.</p>
<b><u>15. REGULATORY INFORMATION (SUPPLY &amp; LABELLING)</u></b>	<p>The product is classified and labelled in accordance with the CHIP Regulations as follows: S22 Do not breathe dust. S51 Use only in well ventilated areas.</p> <p>The information contained in this safety data sheet does not constitute the user's own assessment of workplace risks as required by other health and safety legislation. The provisions of the Health and Safety at Work etc Act and the Control of Substances Hazardous to Health Regulations apply to the use of this product at work.</p>
<b><u>16. OTHER INFORMATION</u></b>	<p>TEXT OF R PHRASES FROM SECTION 2:</p> <p>R PHRASE    TEXT</p> <p>NONE</p> <p>The information contained in this safety data sheet is provided in accordance with the requirements of the CHIP regulations. The product should not be used for purposes other than those shown in Section 1 without first referring to the supplier and obtaining written handling instructions. As the specific conditions of use of the product are outside the supplier's control, the user is responsible for ensuring that the requirements of relevant legislation are complied with.</p> <p>The information contained in this safety data sheet is based on the present state of knowledge and on current national legislation. It provides guidance on health, safety and environmental aspects of the product and should not be construed as any guarantee of technical performance or suitability for particular applications.</p> <p>FURTHER INFORMATION AND ADVICE:</p> <p>The Control of Substances Hazardous to Health Regulations 1999 (SI 1999:437), The Stationery Office. COSHH Essentials: easy steps to control chemicals (HSG 193), HSE Books. Details of Control Guidance Sheets, which may be relevant to the particular conditions of use, can also be found in this publication. The Application of Powder Coatings by Electrostatic Spraying (Code of Safe Practice) from BCF (01372 360660). The Manual Handling Operations Regulations 1992 (SI 1992:2793), The Stationery Office. Chemical Warehousing: Storage of Packaged Dangerous Substances (HSG71), HSE Books. The Environmental Protection (Duty of Care) Regulations 1992 (SI 1992:2839), The Stationery Office. Dust: General principles of protection 1997 (EH44), HSE Books.</p>



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### 17. REVISION DETAILS

COMMENTS:	Revised to meet the requirements of CHIP 3 Regulations.
REPLACEMENT:	Replaces MSDS POW REVISION 2